

FIELD DRYING OF HOT MIX ASPHALT ITM 572

APPARATUS

- [] Oven, maintained at $221 \pm 9^{\circ}\text{F}$
- [] Electric skillet, with thermostatic heat control capable of heating to 221°F
- [] Round, bowl type, metal pan
- [] Spatula

PROCEDURE

- [] Weight of sample as follows

<u>Mixture Designation</u>	<u>Minimum Weight of Sample (g)</u>
4.75 mm	1000
9.5 mm	1500
12.5 mm	2000
19.0 mm, C19.0 mm	3000
25.0 mm C25.0 mm	4000
37.5 mm,	6000

Plate Sample

- [] Weight of pan and spatula determined at approximately 221°F
- [] Sample contained in sealed oven bag immediately placed in the pan with a spatula, and placed in oven at 221°F
- [] Weight of sample, pan, and spatula determined after 1 h
- [] Bag opened and sample, pan, and spatula placed in oven at approximately 221°F
- [] Sample, pan, and spatula weighed at 15 minute intervals until constant weight is achieved
- [] Sample stirred after each weighing if sample has not reached constant weight

Truck Sample

- [] Weight of pan and spatula determined at approximately 221°F
- [] Sample contained in sealed oven bag immediately placed in pan with spatula and weighed
- [] Bag opened and pan, spatula, and sample with bag placed in oven at 221°F

- [] Sample, pan, and spatula weighed at 15 minute intervals until constant weight is achieved
- [] Sample stirred after each weighing if sample has not reached constant weight

Sample - No Moisture Determination

- [] Sample placed in pan with spatula and placed in oven at 221°F
- [] If skillet is used, sample and spatula placed in skillet at 221°F
- [] Sample, pan or skillet, and spatula weighed at 15 minute intervals until constant weight is achieved.
- [] Sample stirred after each weighing if sample has not achieved constant weight

Calculations

- [] Moisture content calculated correctly to 0.01% as follows:

$$\text{Moisture content, \%} = \frac{W_1 - W_2}{W_2} \times 100$$

where:

W_1 = original weight of sample, g

W_2 = constant weight of sample, g

NA - Not Applicable

X - Requires Corrective Action

√ - Satisfactory

Acceptance Technician

INDOT

Date

Comments _____
